



**J&K ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**  
(at) DEPARTMENT OF ECOLOGY, ENVIRONMENT AND REMOTE SENSING

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### **MINUTES OF THE MEETING**

In pursuance to the Minutes of the 94<sup>th</sup> Meeting of the JK Expert Appraisal Committee held on 30<sup>th</sup> May, 2022 through video Conferencing issued vide No. EAC/JK/22/13723-13735 dated 10-06-2022, the 82<sup>nd</sup> Meeting of the JK Environment Impact Assessment Authority was held on 20<sup>th</sup> June, 2022 at 1100 Hrs. through video conferencing:

The following attended the meeting:

- |  |                          |
|--|--------------------------|
| 1. Mr. Lal Chand, IFS (Retd.)                      | Chairman, JKEIAA         |
| 2. Er. Nazir Ahmad (Chief Engineer, Retd.)         | Member, JKEIAA           |
| 3. Sh. Rakesh Kumar, IFS,<br>Director, EE&RS, J&K. | Member-Secretary, JKEIAA |

Following are the deliberations & decisions of the meeting:

#### **Agenda Item No.01.**

Grant of Environment Clearance in favour of Executive Engineer, M/S J & K State Industrial Development Corporation Ltd. (SIDCO), (through Mr. Agninder Bakshi), J&K- 4th Floor, Jawaharlal Nehru Udyog Bhawan, Jammu for 0.5 MLD Common Effluent Treatment Plant (CETP) at Industrial Complex Bari Brahamana, Location-4 near Rotary No. 1, EPIP, Kartholi, over an area of 1,350 sq.m. (or 0.33 acre) under proposal No. **SIA/JK/MIS/63460/2021.**

#### **Brief Summary:**

This case pertains to grant of Environment Clearance under B1 category for 0.5 MLD Common Effluent Treatment Plant (CETP) at Industrial Complex Bari Brahamana, Location-4 near Rotary No. 1, EPIP, Kartholi, Jammu J&K 1,350 sq.m. (or 0.33 acre) The auto Terms of Reference were granted on 30-06-2021. The allotment order for construction of CETP was issued vide order No. IDC/BB/EE/530- 38 dated 13-03-2021 and period of completion is 8 months.

#### **Waste Management Details:**

Solid waste Generation is 3.6 (Kg/day). Hazardous waste/ Sewage sludge or other sludge from effluent treatment plant 400 (Kg/day). Waste water generation is 0.8(KLD). No of industries likely to be connected to the CETP is 48.

#### **Power Requirement Details:**

Power Requirement is 60 (KW) and Power Backup No. of Diesel Gensets/capacity is 01 NO. (100 KVA).

### **DELIBERATIONS/SPECIFIC OBSERVATIONS OF JKEAC:**

- a) The case had been discussed by JKEAC for grant of EC in the 85<sup>th</sup> meeting held on 14-02-2022 during which the committee decided to constitute a sub-committee comprising of Members; Mr Irfan Yaseen, Er. B. B. Sharma and Prof. Anil K Raina to conduct visit of the CETP sites at SIDCO, Bari Brahmana and Industrial Growth Centre, Samba before moving ahead with the appraisal process. In the meantime, the PP had been asked to submit compliances to following observations:
- i. As understood and gathered from the presentation, Project Proponent has already commenced the construction work of CETP, though apparently under pressure from the Hon'ble National Green Tribunal but the same has not been mentioned in the Form 2 uploaded on the portal. JKEAC, as such, observes that the project falls under violation category and requires to be uploaded on the portal and presented before the JKEIAA in this category.
  - ii. JKEAC desired that project proponent should bring on record the methodology and the calculations that led the Consultant to fix the capacity of the CETP as 0.5 MLD in terms of Environment Guidelines /CPCB Rules.
  - iii. The consultant informed that only 51 industrial units in the estate shall be connected to the CETP. However, the uploaded documents indicate that the proposed project involves treatment of effluents from 511 Industries (mainly Pharmaceuticals, Pesticides, Metal Based etc.). Therefore, the Committee desired that the consultant should clarify anomaly and submit the list of member units that shall connect to the proposed CETP with details of chemical effluent generated by each of the units per day.
  - iv. JKEAC also desired project proponent and his Consultant to provide the financial outlay required for and place on record the quantity of sludge that shall be produced per day and the methodology for final disposal of the sludge as per Hazardous Waste Management Rules 2016. Comfort letter from the third party, if involved in the process, shall be prerequisite for the appraisal process.
  - v. JKEAC also desired the project proponent to obtain and to include as part of documentation 'a performance guarantee' from the project implementation agency viz. M/S Sourabh Construction Private Limited that treated effluent and the sludge characteristics shall strictly conform with CPCB guidelines during entire designed life of the Integrated CETP.
  - vi. During the appraisal process, it was noticed that the Consultant had not provided for the CER cost. He was advised to provide same in project proposals in conformance with national guidelines.
- b) The Sub-Committee conducted the site visit of the area on 24/03/2022 and filed its report by email which came under threadbare discussions during the instant 94th meeting of JKEAC. The report of the Sub-Committee forms Appendix-I to these minutes.
- c) Considering the report of the Sub-committee, the JKEAC recommends that prior to grant of EC, JKEIAA should:
- i. Obtain a binding undertaking from SIDCO, the Owner Department, that it would undertake and complete the work of laying of well-designed pipe network for transferring the effluent from different industrial units to the upcoming CETPs at Bari Brahmana, Export Promotion Industrial Park (EPIP), Kartholi and Industrial Growth Centre, Samba within a time period of 24 months from the date of grant of EC.

- ii. Caution the Owner Department and specify the penalty that shall be imposed on the owner (SIDCO) in case of failure to comply with specified timeline for laying the dedicated pipe network for transporting the effluent.
  - iii. Direct the Owner Department, pending construction of a dedicated pipe network, to construct and install a bypass system that would allow the flow in the trunk drain, as and when excess of intake capacity of CETPs, on account of whatsoever reason, to flow to existing disposal point without inundating the surrounding areas.
- d) In the instant 94th JKEAC meeting, the compliances made in pursuance to observations made in the 85th meeting and the averments made by project proponent were discussed and the same are recorded as herein under: -
- i. With respect to item I of para (a), the PP has clarified that there are only 48 industries which are presently operational & diverting their effluent to Balol Nallah through their individual drains/Tankers. PP informed that agriculture fields were getting impacted due to such effluent and that Hon'ble NGT had also directed to install CETP in the shortest possible time or to pay fine as the river was getting polluted due to discharge from industries located in the industrial Estate. PP further informed that the work for designing, construction, erection & commissioning of 0.5 MLD capacity of CETP was allotted to M/S Sourabh Construction Private Limited on the land measuring 0.33 acre in compliance to such directions from Hon'ble NGT. PP further asserted that construction of CETP is in itself not causing any environmental damage. On the other hand, the construction of CETP is a bonafide provision for scientific solution to control the environmental damage being caused due to discharge of untreated effluent by the various industrial units. PP assured that CETP will be started only after the grant of Environmental Clearance to the project. The Consultant presented the directive part of the order issued by Hon'ble NGT. The Committee opined that since, the PP has undertaken the activity under orders of the NGT and the activity itself is for safeguarding environmental concerns, therefore, the JKEIAA may like to condone the act of the PP to have gone for construction of the CETPs without obtaining prior Environmental Clearance.
  - ii. With respect to item ii of para (a), the PP submitted that CETP capacity was estimated by their CETP consultant namely BMRV Engineering Consultants based on actual effluent being diverted into surface water drains at various locations in Bari Brahmana & Samba. Considering 25% higher effluent load as compared to existing flow, capacity of 0.5 MLD CETP for EPIP, Kartholi, industrial Complex, Bari Brahmana was proposed. The Committee while examining the list of member industries likely to be connected to the CETP, observed that many industries in the list are non-polluting and therefore, the calculations made on total waste water to be treated needs to be checked with the data available with J&K Pollution Control Committee. The Co-opted Member from JK Pollution Control Committee, Mr. JN Sharma assured full cooperation and guidance to the consultant in this regard.
  - iii. With respect to item iii of para (a) with regard to number of member units, the PP has submitted that it was a typo error, and that there are only a total of 48-member industries which shall be connected to the 0.5 MLD CETP. Effluent from member industries is being presently discharged into Balol Nallah & same was measured by their CETP consultant namely BMRV Engineering consultant & found to be 0.327 MLD as mentioned in above reply of point no. ii.

- iv. With respect to item iv of para (a), the PP clarified that 64 kanals of land has already been allotted to one Ramasethu Infrastructure Pvt. Ltd. by J&K SIDCO for setting up of an integrated Common Waste Management & Recycling Facility at IGC, Samba and an approx. 400 kg/day of sludge, generated from 0.5 MLD capacity of CETP will be stored in the allocated area which will then be transferred to Ramasethu Infrastructure Pvt. Ltd. for further disposal as per Hazardous & other wastes (Management & Transboundary Movement) Rules 2016.
- v. With respect to item v of para (a), the PP informed that the performance guarantee has been obtained from the implementation agency viz. M/S Sourabh Construction Private limited, guaranteeing that the treated effluent & sludge characteristics will strictly conform to CPCB parameters during maintenance period of 1 year in terms of allotted work order. On being asked regarding the performance beyond the defect liability period of one year, PP assured that the performance / CPCB parameters shall be fulfilled during the entire life time cycle of the CETP. JKEAC stipulated that the performance guarantee as obtained from the implementation agency must include an undertaking that treated effluent shall conform to CPCB parameters/guidelines throughout the life of the CETP.
- vi. While reacting to undertaking regarding laying of well-designed closed pipe network for transferring the effluent from the different industrial units to the upcoming CETP, enclosed as Annexure-VI of the compliance report, JKEAC observed that the draft of the undertaking is not in tune with the letter and spirit of the recommendation made by the Sub-Committee and detailed herein above. Mr. Bakshi, Xen SIDCO informed that since it may take time for the Administrative Dept. to process the funds for laying the suggested pipeline, he may not be able to give commitment for things which are beyond his capacity. In light of above, JKEAC recommends that EC as shall be granted, be designated as interim and valid for 24 months only, the same period as has been recommended by JKEAC for installation and completion of a dedicated pipe network for transferring the effluent from respective member units to the CETP.
- vii. With respect to item vi of para (a), the PP has submitted that the CER cost suggested by the JKEAC has been agreed and provided in the compliance report.

#### **RECOMMENDATIONS OF THE COMMITTEE:**

In view of the above deliberations and insight gained during the above cited appraisal process, the Committee recommended the case for grant of EC subject to:

- a) Standard & Specific conditions as per Annexure-E to the minutes of JKEAC meeting.
- b) Compliance to all recommendations made by the Sub-Committee in pursuance to its site visit.
- c) Condition that SIDCO would undertake and complete the work of laying of well-designed closed pipe network for transferring the effluent from the different member industrial units to the upcoming CETP at Industrial Growth Centre, within a time period of 24 months from the date of grant of EC failing which the EC so granted shall lose its validity.
- d) Condition that JKEIAA cautions SIDCO and the Industries Department and specifies penalty in case of failure to comply with specified timeline for laying the dedicated pipe network for transporting the effluent.

- e) Condition that SIDCO reconciles the data relating to total quantity of waste water generated by the Member units with the data available with J&K Pollution Control Committee prior to grant of CTO.
- f) Condition, the attested list of member units depicting the actual number of units likely to contribute waste waters to the proposed CETP with seal and signature is submitted to JKEIAA by the Project Proponent, prior to grant of EC.
- g) Condition, that no surface runoff is allowed to mix-up with the waste water originating through closed pipeline, and that the surface runoff is managed and harvested for greening the Industrial Estate.
- h) Condition, the J&K Pollution Control Committee will certify that the design and capacity of the proposed CETP is sufficient to treat the waste water from the Member units for the life time cycle of CETP, prior to grant of EC.
- i) The instant EC shall only be interim and valid for 24 months. The extension beyond 24 months shall be granted by JKEIAA only after the PP certifies that the dedicated pipeline network for transferring effluents from respective member units to the CETP stands installed on ground.

**Deliberations and Decision of JKEIAA:**

The matter regarding Committee recommendation to condone the act of Project Proponent to start construction without prior Environment clearance was deliberated threadbare by JKEIAA. In light of Hon'ble NGT Order dated:22.11.2018 and recommendations of JKEAC. The Hon'ble NGT has given following directions as reproduced below.

*"The SIDCO must set up TSDF and CETP within six months, failing which SIDCO will be liable to pay an amount of Rs. 5 Crores every three months by way of deposit with the Central Pollution Control Board for being spent on restoration of environment. For the past failure in more than one decade, SIDCO is held liable to pay compensation of Rs. 5 Crores which may be deposited within one month from today with the Central Pollution Control Board for restoration of the environment."*

As informed by PP, allotment order for construction of CETP was awarded on 13-03-2021 & thereafter 80% work has been undertaken in compliance with directions from NGT to immediately start work or face additional penalty. Thus, the work began without EC to comply with directions of Hon'ble NGT and to avoid additional penalty. JKEAC has considered these aspects and recommended to condone the act of starting work without EC. The action of PP to condone work on CEPT was in compliance to directions of Hon'ble NGT and to ensure completion of CETP to make it functional for treatment of effluents discharged by industrial units.

In light of above facts, the Authority agrees with the recommendations of JKEAC for issuance of Environmental Clearance in favor of the project. The Authority also agrees with the recommendations of the committee to condone the act of having started the work prior to grant of EC.

The EC is being granted subject to:

- a) Standard & Specific conditions as per Annexure-E to the minutes of JKEAC meeting.
- b) Compliance to all recommendations made by the Sub-Committee in pursuance to its site visit.

- c) Condition that SIDCO would undertake and complete the work of laying of well-designed closed pipe network for transferring the effluent from the different member industrial units to the upcoming CETP at Industrial Growth Centre, within a time period of **24 months from the date of grant of EC.**
- d) Condition that PP shall construct and install a bypass system that would allow the flow in the trunk drain, as and when in excess of intake capacity of CETPs on account of whatsoever reason, to flow to existing disposal point without inundating the surrounding areas.'
- e) Condition that SIDCO reconciles the data relating to total quantity of wastewater generated by the Member units with the data available with J&K Pollution Control Committee **prior to grant of CTO.**
- f) The PP shall ensure that treated effluent shall conform to the CPCB parameters/guidelines throughout the life of the CETP.
- g) Condition, that attested list of member units (48 Nos) likely to contribute wastewaters to the proposed CETP with seal and signature is submitted to JKEIAA by the Project Proponent, **prior to grant of EC.**
- h) Condition, that no surface runoff is allowed to mix-up with the waste water originating through closed pipeline, and that the surface runoff is managed and harvested for greening the Industrial Estate.
- i) Condition, the J&K Pollution Control Committee shall certify that the design and capacity of the proposed CETP is sufficient to cater for treatment of wastewater from the Member units for the life time cycle of CETP, **prior to grant of EC.**
- j) **The instant EC is granted for a period of 24 months.** The PP shall approach the authority for extension beyond 24 months after the PP (SIDCO) certifies that the dedicated pipeline network for transferring effluents from respective member units to the CETP stands installed on ground.

**Agenda Item No.02.**

Grant of Environment Clearance in favour of Executive Engineer,M/S J & K STATE INDUSTRIAL DEVELOPMENT CORPORATION LTD. (SIDCO), (through Mr. Agninder Bakshi) J&K- 4th Floor, Jawaharlal Nehru Udyog Bhawan, Jammu for 1 MLD Common Effluent Treatment Plant (CETP) at Phase-II, Industrial Growth Centre, Distt. Samba, J&K with an area of 2,058 sq.m (or 0.50 acre) Proposal No.**SIA/JK/MIS/59079/2020.**

**Brief Summary:**

This case pertains to grant of Environment Clearance under B1 category for 1 MLD Common Effluent Treatment Plant (CETP) at Phase-II, Industrial Growth Centre, Distt. Samba, Jammu J&K over and area of 2,058 sq.m (or 0.50 acre). The allotment order for the construction of CETP was issued vide order No. SF/02 dated 05-10-2019 and period of completion is 8 months. The instant case is afresh.

**Solid Waste Management Details:**

Solid waste Generation is 3.6 (Kg/day). Hazardous waste/ Sewage sludge or other sludge from effluent treatment plant 1000 (Kg/day). Waste water generation is 0.8(KLD). No of industries likely to be connected to the CETP is 35.

**Power Requirement Details:**

Power Requirement is 100 (KW) and Power Backup No. of Diesel Gensets/capacity is 01 NO. (125 KVA)

**Deliberations/specific observations of JKEAC:**

- a) The case had been discussed by JKEAC for the grant of EC in the 85th meeting held on 14-02-2022 during which the committee did not approve the case & decided to constitute a sub-committee comprising of Members; Mr Irfan Yaseen, Er. B B Sharma and Prof. Anil K Raina to conduct site visit of the CETP sites at SIDCO, Bari Brahmana and Industrial Growth Centre, Samba before moving ahead with the appraisal process. In the meantime, the PP had been asked to submit compliance to following observations:
- i. As understood and gathered from the presentation, Project Proponent has already commenced the construction work of CETP, though apparently under pressure from the National Green Tribunal but the same has not been mentioned in the Form 2 uploaded on the portal. JKEAC, as such observes that the project falls under violation category and requires to be uploaded on the portal and presented before the JKEIAA in this category.
  - ii. JKEAC desired that Project Proponent bring on record the methodology and the calculations that led the Consultant to fix the capacity of the CETP as 1.0 MLD in terms of Environment guidelines /CPCB Rules.
  - iii. The consultant informed that only 61 industrial units in the estate shall be connected to the CETP (mainly Pharmaceuticals, Pesticides, Metal Based) etc. The Committee desired that the consultant should give the list of member units and industrial effluent generated /contributed by each unit per day.
  - iv. JKEAC also desired Project Proponent and his Consultant to provide for/ include the financial outlay required for and place on record the quantity of sludge that shall be produced per day and the methodology for final disposal of the sludge as per Hazardous Waste Management Rules 2016. Comfort letter from the third party, if involved in the process, shall be perquisite for the appraisal process.
  - v. JKEAC also desired the Project Proponent to obtain and to include as part of documentation 'a performance guarantee' from the project implementation agency viz. M/S Sourabh Construction Private Limited that treated effluent and the sludge characteristics shall strictly conform to/ with CPCB guidelines during entire designed life of the Integrated CETP.
  - vi. During the appraisal process, it was noticed that the Consultant had not provided for the CER cost. He was advised to provide for and include CER budget in project proposals in conformance with national guidelines.
- b) The Sub-Committee conducted the site visit of the area on 24/03/2022 and filed its report by email which came under threadbare discussions during the instant 94<sup>th</sup> meeting of JKEAC. The report of the Sub-Committee forms Appendix-I to these minutes.
- c) Considering the report of the Sub-committee, JKEAC recommends that prior to considering grant of EC, JKEIAA should:
- i. Obtain a binding undertaking from SIDCO, the Owner Department, that it would undertake and complete the work of laying of well-designed pipe network for transferring the effluent from the different industrial units to the upcoming CETPs at Bari Brahmana, EPIP, Kartholi and Industrial Growth Centre, Samba within a time period of 24 months from the grant of EC.

- ii. Caution the Owner Department and specify the penalty that shall visit the owner in case of failure to comply with specified timeline for laying the dedicated pipe network for transporting the effluent.
  - iii. Direct the Owner Department to construct and install a bypass system that would allow the flow in the trunk drain, as and when in excess of intake capacity of CETPs on account of whatsoever reason, to flow to existing disposal point without inundating the surrounding areas.
- d) In the instant 94th JKEAC meeting, the compliances made in pursuance to observations made in the 85th meeting and the averments made by the project proponent were discussed and the same are recorded herein as under: -
- i. With respect to item I of para (a), the PP has clarified that there are 35 industries which are presently operational & diverting their effluent to nearby surface water stream through their individual drains/Tankers. PP informed that the agriculture fields were getting impacted due to such effluent and the Hon'ble NGT had also directed to install CETP in the shortest possible time or to pay fine as the river was getting polluted due to discharge from industries located in industrial estate. PP further informed that the work for designing, construction, erection & commissioning of 1.0 MLD capacity of CETP was allotted to M/S Sourabh Construction Private Limited on the land measuring 0.5 acre. in compliance to directions from Hon'ble NGT. PP further asserted that construction of CETP is in itself not causing any environmental damage. On the other hand, the construction of CETP is a bonafide provision for scientific solution to control environmental damage being caused due to discharge of untreated effluent by various industrial units. PP assured that operation of CETP will be started only after the grant of Environmental Clearance to the project. The Consultant presented the directive part of the order issued by Hon'ble NGT. The Committee opined that since, the PP has undertaken the activity under orders of the NGT and the activity itself is for safeguarding environmental concerns, therefore, the JKEIAA may like to condone the act of the PP to have gone for constructions of the CETP without obtaining prior Environmental Clearance.
  - ii. With respect to item ii of para (a), the PP has submitted that CETP capacity has been estimated by their consultant namely BMRV Engineering Consultants based on actual effluent being diverted into surface water drains at various locations in Bari Brahmana & Samba. The Committee while examining the list of member industries likely to be connected to the CETP, observed that many industries in the list are non-polluting and therefore, the calculations made on total waste water to be treated needs to be checked with the data available with J&K Pollution Control Committee. The Co-opted Member from JK Pollution Control Board, Mr. JN Sharma assured full cooperation and guidance to the consultant in this regard.
  - iii. With respect to item iii of para (a) with regard to number of units, the PP informed that there are total of 35-member industries which shall be connected to the 1.0 MLD CETP. List of member industries was presented before the Committee. PP informed that effluent from member industries is being presently discharged into nearby surface water stream & same was measured by their CETP consultant namely BMRV Engineering consultant & found to be 0.457 MLD. It was however observed that the effluent load of the individual Member industries has not been provided. The committee also observed that in previous documentation, the PP had mentioned 61 industries to be connected to the proposed CETP. However, as per fresh compliance /information supplied by the PP the total no. of industries to be



connected to the CETP are 35 only but the list provided as Annexure-III still shows 50 no. of industries. Therefore, the Committee sought clarification from the PP/consultant who informed that there are only 35-member industries in this CETP and the other 15 in the annexure relate to the agenda 5. The Committee therefore desired that the PP should certify the actual number of member units to be connected to the CETP, prior to grant of EC.

- iv. With respect to item iv of para (a), the PP has informed that 64 kanals of land has already been allotted to Ramasethu Infrastructure Pvt. Ltd. by J&K SIDCO for setting up of integrated common Hazardous Waste Management & Recycling Facility at IGC, Samba. Approx. 1000 kg/day of CETP sludge will be generated from 1.0 MLD capacity of CETP which will be stored in the allocated area within the project & then will be sent to Ramasethu Infrastructure Pvt. Ltd. for further disposal as per Hazardous & other wastes (Management & Transboundary Movement) Rules 2016. Letter in this regard from Ramasethu Infrastructure Pvt. Ltd. for lifting up of sludge generated from Samba & Bari Brahmana was presented before the Committee and is on record.
- v. With respect to item v of para (a), the PP has submitted that the performance guarantee in the form of undertaking from implementation agency M/S Sourabh Construction Private Limited stating that treated effluent & sludge characteristics will strictly conform to CPCB guidelines during maintenance period of 1 year as per allotted work order. Further, on being asked regarding the performance beyond the defect liability period of one year, the PP assured that the performance / CPCB parameters shall be fulfilled during the entire life cycle of the CETP. Therefore, JKEAC stipulated that the performance guarantee as obtained from the implementation agency must include an undertaking that treated effluent shall conform to CPCB parameters/guidelines throughout the life of the CETP.
- vi. While reacting to undertaking regarding laying of well-designed closed pipe network for transferring the effluent from the different industrial units to the upcoming CETP, enclosed as Annexure-VI of the compliance report, JKEAC observed that the draft of the undertaking is not in tune with the letter and spirit of the recommendation made by the Sub-Committee and detailed herein above. Mr. Bakshi, Xen SIDCO informed that since it may take time for the Administrative Dept. to process the funds for laying the suggested pipeline, he may not be able to give commitment for things which are beyond his capacity. In light of above, JKEAC recommends that EC, as shall be granted, be designated as interim and valid for 24 months only, the same period as has been recommended by JKEAC for installation and completion of a dedicated pipe network for transferring the effluent from respective member units to the CETP.
- vii. With respect to item vi of para (a), the PP has submitted that the CER cost suggested by the JKEAC has been agreed and provided in the compliance report.

#### **RECOMMENDATIONS OF THE JKEAC:**

In view of the above deliberations and insight gained during the above cited appraisal process, the Committee recommended the case for grant of EC subject to:

- a) Standard & Specific conditions as per Annexure-E to the minutes of JKEAC meeting.
- b) Compliance to all recommendations made by the Sub-Committee in pursuance to its site visit.

- c) Condition that SIDCO would undertake and complete the work of laying of well-designed closed pipe network for transferring the effluent from the different member industrial units to the upcoming CETP at Industrial Growth Centre, within a time period of 24 months from the date of grant of EC failing which the EC so granted shall lose its validity.
- d) Condition that JKEIAA cautions SIDCO and the Industries Department and specifies penalty in case of failure to comply with specified timeline for laying the dedicated pipe network for transporting the effluent.
- e) Condition that SIDCO reconciles the data relating to total quantity of waste water generated by the Member units with the data available with J&K Pollution Control Board prior to grant of CTO.
- f) Condition, the attested list of member units depicting the actual number of units likely to contribute waste waters to the proposed CETP with seal and signature is submitted to JKEIAA by the Project Proponent, prior to grant of EC.
- g) Condition, that no surface runoff is allowed to mix-up with the waste water originating through closed pipeline, and that the surface runoff is managed and harvested for greening the Industrial Estate.
- h) Condition, the J&K pollution Control Committee will certify that the design and capacity of the proposed CETP is sufficient to treat the waste water from the Member units for the life time cycle of CETP, prior to grant of EC.
- i) The instant EC shall only be interim and valid for 24 months. The extension beyond 24 months shall be granted by JKEIAA only after the PP certifies that the dedicated pipeline network for transferring effluents from respective member units to the CETP stands installed on ground.

**Deliberations and Decision of JKEIAA:**

The JKEIAA deliberated the issue threadbare in light of Hon'ble NGT Order dated:22.11.2018 and recommendations of JKEAC. The Hon'ble NGT has given following directions as reproduced below:

*"The SIDCO must set up TSDF and CETP within six months, failing which SIDCO will be liable to pay an amount of Rs. 5 Crores every three months by way of deposit with the Central Pollution Control Board for being spent on restoration of environment. For the past failure in more than one decade, SIDCO is held liable to pay compensation of Rs. 5 Crores which may be deposited within one month from today with the Central Pollution Control Board for restoration of the environment."*

As informed by PP, allotment order for construction of CETP has been awarded on 05-10-2019 & since then 80% work has been done in compliance with directions from NGT to immediately start work or face additional penalty. Thus, work has been started without EC to comply with directions of Hon'ble NGT and to avoid additional penalty. Since, Hon'ble NGT had already imposed a penalty of Rs. 5 Cr on SIDCO and work has been started to comply with directions of Hon'ble NGT, JKEAC has considered these aspects and recommended to condone the act of starting work without EC. The action of PP in starting work on CEPT complies to directions of Hon'ble NGT as also would advance completion of CETP to make it functional for treatment of effluents discharged by industrial units.

In light of above facts, the Authority agrees with the recommendations of JKEAC for issuance of Environmental Clearance in favor of the project. The Authority also agrees with the recommendations of the committee to condone the act of having started the work prior to grant of EC.

The EC is being granted subject to:

- a) Standard & Specific conditions as per Annexure-E to the minutes of JKEAC meeting.
- b) Compliance to all recommendations made by the Sub-Committee in pursuance to its site visit.
- c) Condition that SIDCO would undertake and complete the work of laying of well-designed closed pipe network for transferring the effluent from the different member industrial units to the upcoming CETP at Industrial Growth Centre, within a time period of 24 months from the date of grant of EC.
- d) Condition that PP shall construct and install a bypass system that would allow the flow in the trunk drain, as and when in excess of intake capacity of CETPs on account of whatsoever reason, to flow to existing disposal point without inundating the surrounding areas.'
- e) Condition that SIDCO reconciles the data relating to total quantity of wastewater generated by the Member units with the data available with J&K Pollution Control Committee prior to grant of CTO.
- f) The PP shall ensure that treated effluent shall conform to the CPCB parameters/guidelines throughout the life of the CETP.
- g) Condition, that attested list of member units (35 Nos) depicting the actual number of units likely to contribute wastewaters to the proposed CETP with seal and signature is submitted to JKEIAA by the Project Proponent, prior to grant of EC.
- h) Condition, that no surface runoff is allowed to mix-up with the waste water originating through closed pipeline, and that the surface runoff is managed and harvested for greening the Industrial Estate.
- i) Condition, the J&K Pollution Control Committee shall certify that the design and capacity of the proposed CETP is sufficient to cater for treatment of wastewater from the Member units for the life time cycle of CETP, prior to grant of EC.
- j) The instant EC is granted for a period of 24 months. The PP shall approach the authority for extension beyond 24 months after the PP (SIDCO) certifies that the dedicated pipeline network for transferring effluents from respective member units to the CETP stands installed on ground.

**Agenda Item No.03.**

Grant of Environment Clearance in favour of Executive Engineer, M/S J & K STATE INDUSTRIAL DEVELOPMENT CORPORATION LTD. (SIDCO), (through Mr. Agninder Bakshi), J&K-4th Floor, Jawaharlal Nehru Udyog Bhawan, Jammu for 1.5 MLD Common Effluent Treatment Plant (CETP) located at Industrial Complex Bari Brahmana, Distt. Samba, 2,098 sq. m (or 0.5 acre) Proposal No. SIA/JK/MIS/59091/2020.

**Brief Summary:**

This case pertains to grant of Environment Clearance under B1 category for 1.5 MLD Common Effluent Treatment Plant (CETP) located at Industrial Complex Bari Brahmana, Distt. Samba, Jammu J&K over and area of 2,098 sq. m (or 0.5 acre) The allotment order for

construction of CETP was issued vide order No. SE/01 dated 05-10-2019 and period of completion is 8 months. The instant case is afresh.

**Solid Waste Management Details:**

Solid waste Generation is 3.6 (Kg/day). Hazardous waste/ Sewage sludge or other sludge from effluent treatment plant 1500 (Kg/day). Waste water generation is 0.8(KLD). No of industries likely to be connected to the CETP is 252.

**Power Requirement Details:**

Power Requirement is 156 (KW) and Power Backup No. of Diesel Gen sets/capacity is 01 NO. (125 KVA)

**Deliberations/specific observations of JKEAC:**

- a) The case had been discussed by the Expert Appraisal Committee earlier during the 85<sup>th</sup> Meeting held on 14/02/2022 for grant of EC during which the Committee during which the committee did not approve the case & decided to constitute a sub-committee comprising of Members; Mr Irfan Yaseen, Er. B B Sharma and Prof. Anil K Raina to conduct site visit of the CETP sites at SIDCO, Bari Brahmana and Industrial Growth Centre, Samba before moving ahead with the appraisal process. In the meantime, the PP had been asked to submit compliances to following observations:
  - i. As understood and gathered from the presentation, Project Proponent has already commenced the construction work of CETP, though apparently under pressure from the National Green Tribunal but the same has not been mentioned in the Form 2 uploaded on the portal. JKEAC, as such observes that the project falls under violation category and requires to be uploaded on the portal and presented before the JKEIAA in this category.
  - ii. JKEAC desired that Project Proponent bring on record the methodology and the calculations that led the Consultant to fix the capacity of the CETP as 1.5MLD in terms of Environment guidelines /CPCB Rules.
  - iii. The Committee desired that the consultant should intimate the actual number of units likely to contribute to the proposed facility giving the list of member units and industrial effluent generated /contributed by each unit per day.
  - iv. JKEAC also desired Project Proponent and his Consultant to provide for/ include the financial outlay required for and place on record the quantity of sludge that shall be produced per day and the methodology for final disposal of the sludge as per Hazardous Waste Management Rules 2016. Comfort letter from the third party, if involved in the process, shall be perquisite for the appraisal process.
  - v. JKEAC also desired the Project Proponent to obtain and to include as part of documentation 'a performance guarantee' from the project implementation agency viz. M/S Sourabh Construction Private Limited that treated effluent and the sludge characteristics shall strictly conform to/ with CPCB guidelines during entire designed life of the Integrated CTEP.
  - vi. CER Cost has been underestimated by the PP and was advised to provide CER budget in project proposals in conformance with national guidelines.
  - vii. JKEAC, in order to understand/ appreciate the proposals, also decided to constitute a Sub Committee to conduct a visit to site of proposed CETP. SIDCO, the Project Proponent may work out the arrangements and get the site visit conducted in consultation with Secretary, JKEAC

- b) Accordingly, the Sub-Committee conducted the site visit of the area on 24/03/2022 and filed its report by email which came under threadbare discussions during the instant 94th meeting of JKEAC. The report of the Sub-Committee forms Appendix-I to these minutes.
- c) Considering the report of the Sub-committee, the JKEAC recommends that prior to considering grant of EC, JKEIAA should:
- i. Obtain a binding undertaking from SIDCO, the Owner Department, that it would undertake and complete the work of laying of well- designed pipe network for transferring the effluent from the different industrial units to the upcoming CETPs at Bari Brahmana, Export Promotion Industrial Park (EPIP), Kartholi and Industrial Growth Centre, Samba within a time period of 24 months from the date of grant of EC.
  - ii. Caution the Owner Department and specify the penalty that shall be imposed on the owner (SIDCO) in case of failure to comply with specified timeline for laying the dedicated pipe network for transporting the effluent.
  - iii. Direct the Owner Department, pending construction of a dedicated pipe network, to construct and install a bypass system that would allow the flow in the trunk drain, as and when excess of intake capacity of CETPs on account of whatsoever reason, to flow to existing disposal point without inundating the surrounding areas.
- d) In the instant 94th JKEAC meeting, the compliances made in pursuance to observations made in the 85th meeting and averments made by project proponent were discussed and are recorded here as under: -
- i. In compliances to item no. i para (a), the PP has clarified that there are 252 industries which are presently operational and diverting their effluent to Balol Nala through their individual drains/ or tankers. PP informed that the agriculture fields were getting impacted due to such effluent and the Hon'ble NGT had also directed to install CETP in the shortest possible time or to pay fine as the river was getting polluted due to discharge from industries located in industrial estate. PP has further informed that the work for designing, construction, erection and commissioning of 1.5 MLD capacity of CETP was allotted to M/S Sourabh Construction Private Limited on the land measuring 0.5 acre in compliance to directions from Hon'ble NGT. PP further asserted that construction of CETP is in itself not causing any environmental damage. On the other hand, the construction of CETP is a bonafide provision for scientific solution to control environmental damage being caused due to discharge of untreated effluent by various industrial units. PP assured that operation of CETP will be started only after the grant of Environmental Clearance to the project. The Consultant presented the directive part of the order issued by Hon'ble NGT. The Committee opined that since, the PP has undertaken the activity under orders of the NGT and the activity itself is for safeguarding environmental concerns, therefore, the JKEIAA may like to condone the act of the PP to have gone for constructions of the CETP without obtaining prior Environmental Clearance.
  - ii. With respect to item no. ii para (a), the PP has submitted that CETP capacity was estimated by their CETP consultant namely BMRV Engineering Consultants based on actual effluent being diverted into surface water drains at various locations in Bari Brahmana and Samba. Considering 25% higher effluent load, capacity of CETP was assumed to be 1.5 MLD. The Committee while examining the list of member industries likely to be connected to the CETP, observed that many industries in the list are non- polluting and therefore, the calculations made on total

waste water to be treated needs to be checked with the data available with J&K pollution Control Committee. The Co-opted Member from JK Pollution Control Board, Mr. JN Sharma assured full cooperation and guidance to the consultant in this regard.

- iii. With respect to item no iii para (a) with regard to the number of units, the PP informed that there are total 252-member industries which shall be connected to the 1.5 MLD CETP. The member industries presently discharge into Balol Nala and same was measured by the CETP consultant namely BMRV Engineering Consultants and found to be 1,089 MLD.
- iv. With respect to item no iv para (a), the PP informed that 64 kanals of land has already been allotted without premium to Rama sethu Infrastructure Pvt. Ltd. by J&K SIDCO for setting up of Integrated Common Hazardous Waste Management and Recycling Facility at IGC, Samba for Approx. 1500 kg/day of CETP sludge will be generated from 0.5 MLD capacity of CETP which will be stored in the allocated area within the project and then will be sent to Rama sethu Infrastructure Pvt. Ltd. for further disposal as per Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.
- v. With respect to item no v para (a), the PP informed that the Performance Guarantee in the form of undertaking from implementation agency i.e. M/S Sourabh Construction Private Limited stating that treated effluent and sludge characteristics will strictly conform to CPCB guidelines during maintenance period of 1 year as per allotted work order. Further, on being asked regarding the performance beyond the defect liability period of one year, the PP assured that the performance / CPCB parameters shall be fulfilled during the entire life cycle of the CETP. Therefore, JKEAC stipulated that the performance guarantee as obtained from the implementation agency must include an undertaking that treated effluent shall conform to CPCB parameters/guidelines throughout the life of the CETP.
- vi. While reacting to undertaking regarding laying of well-designed closed pipe network for transferring the effluent from the different industrial units to the upcoming CETP, enclosed as Annexure-VI of the compliance report, JKEAC observed that the draft of the undertaking is not in tune with the letter and spirit of the recommendation made by the Sub-Committee and detailed herein above. Mr. Bakshi, Xen SIDCO informed that since it may take time for the Administrative Dept. to process the funds for laying the suggested pipeline, he may not be able to give commitment for things which are beyond his capacity. In light of above, JKEAC recommends that EC as shall be granted be designated as interim and valid for 24 months only, the same period as has been recommended by JKEAC for installation and completion of a dedicated pipe network for transferring the effluent from respective member units to the CETP.
- vii. With respect to item vi of para (a), the PP has submitted that the CER cost suggested by the JKEAC has been agreed and provided in the compliance report.

#### **RECOMMENDATION OF THE JKEAC:**

In view of the above deliberations and insight gained during the above cited appraisal process, the Committee recommended the case for grant of EC subject to:

- a) Standard & Specific conditions as per Annexure-E to the minutes of JKEAC meeting.
- b) Compliance to all recommendations made by the Sub-Committee in pursuance to its site visit.

- c) Condition that SIDCO would undertake and complete the work of laying of well-designed closed pipe network for transferring the effluent from the different member industrial units to the upcoming CETP at Industrial Growth Centre, within a time period of 24 months from the date of grant of EC failing which the EC so granted shall lose its validity.
- d) Condition that JKEIAA cautions SIDCO and the Industries Department and specifies penalty in case of failure to comply with specified timeline for laying the dedicated pipe network for transporting the effluent.
- e) Condition that SIDCO reconciles the data relating to total quantity of waste water generated by the Member units with the data available with J&K Pollution Control Board prior to grant of CTO.
- f) Condition, the attested list of member units depicting the actual number of units likely to contribute waste waters to the proposed CETP with seal and signature is submitted to JKEIAA by the Project Proponent, prior to grant of EC.
- g) Condition, that no surface runoff is allowed to mix-up with the waste water originating through closed pipeline, and that the surface runoff is managed and harvested for greening the Industrial Estate.
- h) Condition, the J&K pollution Control Committee will certify that the design and capacity of the proposed CETP is sufficient to treat the waste water from the Member units for the life time cycle of CETP, prior to grant of EC.
- i) The instant EC shall only be interim and valid for 24 months. The extension beyond 24 months shall be granted by JKEIAA only after the PP certifies that the dedicated pipeline network for transferring effluents from respective member units to the CETP stands installed on ground.

**Deliberations and Decision of JKEIAA:**

The JKEIAA deliberated the issue threadbare in light of Hon'ble NGT Order dated:22.11.2018 and recommendations of JKEAC. The Hon'ble NGT has given following directions as reproduced below:

*"The SIDCO must set up TSDF and CETP within six months, failing which SIDCO will be liable to pay an amount of Rs. 5 Crores every three months by way of deposit with the Central Pollution Control Board for being spent on restoration of environment. For the past failure in more than one decade, SIDCO is held liable to pay compensation of Rs. 5 Crores which may be deposited within one month from today with the Central Pollution Control Board for restoration of the environment."*

As informed by PP, allotment order for construction of CETP has been awarded on 05-10-2019 & since then 80% work has been done in compliance with directions from NGT to immediately start work or face additional penalty. Thus, work has been started without EC to comply with directions of Hon'ble NGT and to avoid additional penalty. Since, Hon'ble NGT had already imposed a penalty of Rs. 5 Cr on SIDCO and work has been started to comply with directions of Hon'ble NGT, JKEAC has considered these aspects and recommended to condone the act of starting work without EC. The action of PP in starting work on CEPT complies to directions of Hon'ble NGT as also would advance completion of CETP to make it functional for treatment of effluents discharged by industrial units.

In light of above facts, the Authority agrees with the recommendations of JKEAC for issuance of Environmental Clearance in favor of the project. The Authority also agrees with the recommendations of the committee to condone the act of having started the work prior to grant of EC.

The EC is being granted subject to:

- a) Standard & Specific conditions as per Annexure-E to the minutes of JKEAC meeting.
- b) Compliance to all recommendations made by the Sub-Committee in pursuance to its site visit.
- c) Condition that SIDCO would undertake and complete the work of laying of well-designed closed pipe network for transferring the effluent from the different member industrial units to the upcoming CETP at Industrial Growth Centre, within a time period of 24 months from the date of grant of EC.
- d) Condition that PP shall construct and install a bypass system that would allow the flow in the trunk drain, as and when in excess of intake capacity of CETPs on account of whatsoever reason, to flow to existing disposal point without inundating the surrounding areas.'
- e) Condition that SIDCO reconciles the data relating to total quantity of wastewater generated by the Member units with the data available with J&K Pollution Control Committee prior to grant of CTO.
- f) The PP shall ensure that treated effluent shall conform to the CPCB parameters/guidelines throughout the life of the CETP.
- g) Condition, that attested list of member units (252 Nos) depicting the actual number of units likely to contribute wastewaters to the proposed CETP with seal and signature is submitted to JKEIAA by the Project Proponent, prior to grant of EC.
- h) Condition, that no surface runoff is allowed to mix-up with the waste water originating through closed pipeline, and that the surface runoff is managed and harvested for greening the Industrial Estate.
- i) Condition, the J&K Pollution Control Committee shall certify that the design and capacity of the proposed CETP is sufficient to cater for treatment of wastewater from the Member units for the life time cycle of CETP, prior to grant of EC.
- j) The instant EC is granted for a period of 24 months. The PP shall approach the authority for extension beyond 24 months after the PP (SIDCO) certifies that the dedicated pipeline network for transferring effluents from respective member units to the CETP stands installed on ground.

#### **Agenda Item No.04.**

Grant of Environment Clearance in favour of Superintending Engineer M/S J&K State Industrial Development Corporation Ltd. (SIDCO), (through Mr. Pankaj Gupta), 4th Floor, Jawaharlal Nehru Udyog Bhawan, Jammu for 0.5 MLD CETP plant at Phase-III, Industrial Growth Centre, Distt. Samba, over an area of 1,315.23 sq.m (or 0.33 acre). under proposal No. SIA/JK/MIS/60653/2021.

#### **Brief Summary:**

This case pertains to grant of Environment Clearance under B1 category for 0.5 MLD CETP plant at Phase-III, Industrial Growth Centre, Distt. Samba, Jammu J&K over and area of 1,315.23 sq.m. (or 0.33 acre). The allotment order for construction of CETP was issued vide



order No.SE/04 dated 05-10-2019 and period of completion is 8 months. The instant case is afresh.

**Solid Waste Management Details:**

Solid waste Generation is 3.6 (Kg/day). Hazardous waste/ Sewage sludge or other sludge from effluent treatment plant 400 (Kg/day). Waste water generation is 0.8 (KLD). No of industries likely to be connected to the CETP is 56.

**Power Requirement Details:**

Power Requirement is 70 (KW) and Power Backup No. of Diesel Gensets/capacity is 01 No. (100 KVA)

**Deliberations/specific observations of JKEAC:**

- a) The case had been discussed by the Expert Appraisal Committee earlier during the 85<sup>th</sup> Meeting held on 14/02/2022 for grant of EC during which the committee did not approve the case & decided to constitute a sub-committee comprising of Members; Mr Irfan Yaseen, Er. B B Sharma and Prof. Anil K Raina to conduct site visit of the CETP sites at SIDCO, Bari Brahmana and Industrial Growth Centre, Samba before moving ahead with the appraisal process. In the meantime, the PP had been asked to submit compliances to following observations:
  - i. As understood and gathered from the presentation, Project Proponent has already commenced the construction work of CETP, though apparently under pressure from the National Green Tribunal but the same has not been mentioned in the Form 2 uploaded on the portal. JKEAC, as such observes that the project falls under violation category and requires to be uploaded on the portal and presented before the JKEIAA in this category.
  - ii. JKEAC desired that Project Proponent bring on record the methodology and the calculations that led the Consultant to fix the capacity of the CETP as 0.5MLD in terms of Environment guidelines /CPCB Rules.
  - iii. The Committee desired that the consultant should intimate the actual number of units likely to contribute to the proposed facility giving the list of member units and industrial effluent generated /contributed by each unit per day.
  - iv. JKEAC also desired Project Proponent and his Consultant to provide for/ include the financial outlay required for and place on record the quantity of sludge that shall be produced per day and the methodology for final disposal of the sludge as per Hazardous Waste Management Rules 2016. Comfort letter from the third party, if involved in the process, shall be perquisite for the appraisal process.
  - v. JKEAC also desired the Project Proponent to obtain and to include as part of documentation 'a performance guarantee' from the project implementation agency viz. M/S R.K Builders Private Limited that treated effluent and the sludge characteristics shall strictly conform to/ with CPCB guidelines during entire designed life of the Integrated CTEP.
  - vi. CER Cost has been underestimated by the PP.
  - vii. JKEAC, in order to understand/ appreciate the proposals, also decided to constitute a Sub Committee to conduct a visit to site of proposed CETP. SIDCO, the Project Proponent may work out the arrangements and get the site visit conducted in consultation with Secretary, JKEAC.

- b) Accordingly, the Sub-Committee conducted the site visit of the area on 24/03/2022 and filed its report by email which came under threadbare discussions during the instant 94<sup>th</sup> meeting of JKEAC. The report of the Sub-Committee forms Appendix-I to these minutes.
- c) Considering the report of the Sub-committee, the JKEAC recommends that prior to considering grant of EC, JKEIAA should:
- i. Obtain a binding undertaking from SIDCO, the Owner Department, that it would undertake and complete the work of laying of well- designed pipe network for transferring the effluent from the different industrial units to the upcoming CETPs at Bari Brahmana, Export Promotion Industrial Park (EPIP), Kartholi and Industrial Growth Centre, Samba within a time period of 24 months from the date of grant of EC.
  - ii. Caution the Owner Department and specify the penalty that shall be imposed on the owner (SIDCO) in case of failure to comply with specified timeline for laying the dedicated pipe network for transporting the effluent.
  - iii. Direct the Owner Department, pending construction of a dedicated pipe network, to construct and install a bypass system that would allow the flow in the trunk drain, as and when excess of intake capacity of CETPs on account of whatsoever reason, to flow to existing disposal point without inundating the surrounding areas.
- d) In the instant 94<sup>th</sup> JKEAC meeting, the compliances made in pursuance to observations made in the 85<sup>th</sup> meeting and averments made by project proponent were discussed and are recorded here as under: -
- i. In compliances to item no i of para (a), the PP has clarified that there are only 56 industries which are presently operational and diverting their effluents to nearby surface water stream through their individual drains/ or tankers. The PP further informed that in previous submitted documentation the number of industries had been mentioned erroneously as 165. PP further said that NGT had directed to install CETP in the shortest possible time or to pay fine as the river system was getting polluted due to discharge from industries located in the industrial estate. PP further informed that the work for designing, construction, erection and commissioning of 0.5| MLD capacity of CETP was allotted to M/s R. K. Builders Private Limited on the land measuring 0.33 acre in compliance to directions from Hon'ble NGT. PP informed that the construction activity was initiated at site with a focus to provide CETP based on suitable treatment technology to assure that only treated wastewater meeting the norms are discharged from industrial complex. PP further asserted that construction of CETP is in itself not causing any environmental damage. On the other hand construction of CETP is a bonafide provision for scientific solution to control the environmental damage being caused due to discharge of untreated effluent by industries. Further, PP assured the JKEAC that operation of CETP will be started only after the grant of Environmental Clearance to the project. The Consultant presented the directive part of the order issued by Hon'ble NGT. The Committee opined that since, the PP has undertaken the activity under orders of the NGT and the activity itself is for safeguarding environmental concerns, therefore, the JKEIAA may like to condone the act of the PP to have gone for constructions of the CETP without obtaining prior Environmental Clearance.
  - ii. With respect to item no ii para (a), the PP submitted that the CETP capacity has been estimated by their consultant namely BMRV Engineering Consultants based on actual effluent being diverted into surface water drains at various locations in Bari Brahmana and Samba. In this case of 0.5 MLD CETP, phase -3 samba actual

flow has been estimated at 0.311 MLD. Considering 25% higher effluent load, capacity of CETP was assumed to be 0.5 MLD for phase -3 samba, he informed. The Committee while examining the list of member industries likely to be connected to the CETP, observed that many industries in the list are non-polluting and therefore, the calculations made on total waste water to be treated needs to be checked with the data available with J&K pollution Control Committee. The Co-opted Member from JK Pollution Control Board, Mr. JN Sharma assured full cooperation and guidance to the consultant in this regard.

- iii. With respect to compliances of item no iii para (a) with regard to member industries which shall be connected to the 0.5 MLD CETP. Effluent from member industries is being discharged nearby surface water stream and same was measured by CETP consultant namely BMRV Engineering Consultants and found to be 0.384 MLD.
- iv. In compliances to item no iv para (a), the PP has informed that 64 kanals of land has already been allotted to Rama sethu Infrastructure Pvt. Ltd. by J&K SIDCO for setting up of Integrated Common Hazardous Waste Management and Recycling Facility at IGC, Samba for Approx. 400 kg/day of CETP sludge will be generated from 0.5 MLD capacity of CETP which will be stored in the allocated area within the project and then will be sent to Rama sethu Infrastructure Pvt. Ltd. for further disposal as per Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.
- v. In compliances to item no v of para (a), the PP informed that the Performance guarantee in the form of undertaking from implementation agency i.e. M/s R.K builders Private Limited stating that treated effluent and sludge characteristics will strictly conform to CPCB guidelines during maintenance period of 1 year as per allotted work order. Further, on being asked regarding the performance beyond the defect liability period of one year, the PP assured that the performance / CPCB parameters shall be fulfilled during the entire life cycle of the CETP. Therefore, JKEAC stipulated that the performance guarantee as obtained from the implementation agency must include an undertaking that treated effluent shall conform to CPCB parameters/guidelines throughout the life of the CETP. While reacting to undertaking regarding laying of well-designed closed pipe network for transferring the effluent from the different industrial units to the upcoming CETP, enclosed as Annexure-VI of the compliance report, JKEAC observed that the draft of the undertaking is not in tune with the letter and spirit of the recommendation made by the Sub-Committee and detailed herein above. Mr. Bakshi, Xen SIDCO informed that since it may take time for the Administrative Dept. to process the funds for laying the suggested pipeline, he may not be able to give commitment for things which are beyond his capacity. In light of above, JKEAC recommends that EC as shall be granted be designated as interim and valid for 24 months only, the same period as has been recommended by JKEAC for installation and completion of a dedicated pipe network for transferring the effluent from respective member units to the CETP.
- vi. With respect to item vi of para (a), the PP has submitted that the CER cost suggested by the JKEAC has been agreed and provided in the compliance report.

### **RECOMMENDATIONS OF THE JKEAC:**

In view of the above deliberations and insight gained during the above cited appraisal process, the Committee recommended the case for grant of EC subject to:

- a) Standard & Specific conditions as per Annexure-E to the minutes of JKEAC meeting.
- b) Compliance to all recommendations made by the Sub-Committee in pursuance to its site visit.
- c) Condition that SIDCO would undertake and complete the work of laying of well-designed closed pipe network for transferring the effluent from the different member industrial units to the upcoming CETP at Industrial Growth Centre, within a time period of 24 months from the date of grant of EC failing which the EC so granted shall lose its validity.
- d) Condition that JKEIAA cautions SIDCO and the Industries Department and specifies penalty in case of failure to comply with specified timeline for laying the dedicated pipe network for transporting the effluent.
- e) Condition that SIDCO reconciles the data relating to total quantity of waste water generated by the Member units with the data available with J&K Pollution Control Board prior to grant of CTO.
- f) Condition, the attested list of member units depicting the actual number of units likely to contribute waste waters to the proposed CETP with seal and signature is submitted to JKEIAA by the Project Proponent, prior to grant of EC.
- g) Condition, that no surface runoff is allowed to mix-up with the waste water originating through closed pipeline, and that the surface runoff is managed and harvested for greening the Industrial Estate.
- h) Condition, the J&K pollution Control Committee will certify that the design and capacity of the proposed CETP is sufficient to treat the waste water from the Member units for the life time cycle of CETP, prior to grant of EC.
- i) The instant EC shall only be interim and valid for 24 months. The extension beyond 24 months shall be granted by JKEIAA only after the PP certifies that the dedicated pipeline network for transferring effluents from respective member units to the CETP stands installed on ground.

### **Deliberations and Decision of JKEIAA:**

The JKEIAA deliberated the issue threadbare in light of Hon'ble NGT Order dated:22.11.2018 and recommendations of JKEAC. The Hon'ble NGT has given following directions as reproduced below:

*"The SIDCO must set up TSDF and CETP within six months, failing which SIDCO will be liable to pay an amount of Rs. 5 Crores every three months by way of deposit with the Central Pollution Control Board for being spent on restoration of environment. For the past failure in more than one decade, SIDCO is held liable to pay compensation of Rs. 5 Crores which may be deposited within one month from today with the Central Pollution Control Board for restoration of the environment."*

As informed by PP, allotment order for construction of CETP has been awarded on 05-10-2019 & since then 80% work has been done in compliance with directions from NGT to immediately start work or face additional penalty. Thus, work has been started without EC to comply with directions of Hon'ble NGT and to avoid additional penalty. Since, Hon'ble NGT had already imposed a penalty of Rs. 5 Cr on SIDCO and work has been started to comply

with directions of Hon'ble NGT, JKEAC has considered these aspects and recommended to condone the act of starting work without EC. The action of PP in starting work on CEPT complies to directions of Hon'ble NGT as also would advance completion of CETP to make it functional for treatment of effluents discharged by industrial units.

In light of above facts, the Authority agrees with the recommendations of JKEAC for issuance of Environmental Clearance in favor of the project. The Authority also agrees with the recommendations of the committee to condone the act of having started the work prior to grant of EC.

The EC is being granted subject to:

- a) Standard & Specific conditions as per Annexure-E to the minutes of JKEAC meeting.
- b) Compliance to all recommendations made by the Sub-Committee in pursuance to its site visit.
- c) Condition that SIDCO would undertake and complete the work of laying of well-designed closed pipe network for transferring the effluent from the different member industrial units to the upcoming CETP at Industrial Growth Centre, within a time period of 24 months from the date of grant of EC.
- d) Condition that PP shall construct and install a bypass system that would allow the flow in the trunk drain, as and when in excess of intake capacity of CETPs on account of whatsoever reason, to flow to existing disposal point without inundating the surrounding areas.'
- e) Condition that SIDCO reconciles the data relating to total quantity of wastewater generated by the Member units with the data available with J&K Pollution Control Committee prior to grant of CTO.
- f) The PP shall ensure that treated effluent shall conform to the CPCB parameters/guidelines throughout the life of the CETP.
- g) Condition, that attested list of member units (56 Nos) depicting the actual number of units likely to contribute wastewaters to the proposed CETP with seal and signature is submitted to JKEIAA by the Project Proponent, prior to grant of EC.
- h) Condition, that no surface runoff is allowed to mix-up with the waste water originating through closed pipeline, and that the surface runoff is managed and harvested for greening the Industrial Estate.
- i) Condition, the J&K Pollution Control Committee shall certify that the design and capacity of the proposed CETP is sufficient to cater for treatment of wastewater from the Member units for the life time cycle of CETP, prior to grant of EC.
- j) The instant EC is granted for a period of 24 months. The PP shall approach the authority for extension beyond 24 months after the PP (SIDCO) certifies that the dedicated pipeline network for transferring effluents from respective member units to the CETP stands installed on ground.

**Agenda Item No.05.**

Grant of Environment Clearance in favour of Superintending Engineer, M/S J&K State Industrial Development Corporation Ltd. (SIDCO), (through Mr. Pankaj Gupta), 4th Floor, Jawaharlal Nehru Udyog Bhawan, for 0.5 MLD Common Effluent Treatment Plant (CETP) located at Phase-II, Industrial Growth Centre Distt. Samba, over an area of 1,315.23 sq. m. (or 0.33 acre). Proposal No. **SIA/JK/MIS/60642/2021.**

**Brief Summary:**

This case pertains to grant of Environment Clearance under B1 category for 0.5 MLD Common Effluent Treatment Plant (CETP) located at Phase-II, Industrial Growth Centre Distt. Samba, Jammu, J&K over and area of 1,315.23 sq. m. (or 0.33 acre). The allotment order for construction of CETP was issued vide order No. SE/03 dated 05-10-2019 and period of completion is 8 months. The instant case is afresh.

**Solid Waste Management Details:**

Solid waste Generation is 3.6 (Kg/day). Hazardous waste/ Sewage sludge or other sludge from effluent treatment plant 400 (Kg/day). Waste water generation is 0.8(KLD). No of industries likely to be connected to the CETP is 21.

**Power Requirement Details:**

Power Requirement is 87.5 (KW) and Power Backup No. of Diesel Gensets/capacity is 01 NO. (100 KVA)

**Deliberations/specific observations of JKEAC:**

- a) The case had been discussed by the Expert Appraisal Committee earlier during the 85<sup>th</sup> Meeting held on 14/02/2022 for grant of EC during which the committee had not approved the case & had decided to constitute a sub-committee comprising of Members; Mr Irfan Yaseen, Er. B B Sharma and Prof. Anil K Raina to conduct site visit of the CETP sites at SIDCO, Bari Brahmana and Industrial Growth Centre, Samba before moving ahead with the appraisal process. In the meantime, the PP had been asked to submit compliances to following observations:
  - i. As understood and gathered from the presentation, Project Proponent has already commenced the construction work of CETP, though apparently under pressure from the National Green Tribunal but the same has not been mentioned in the Form 2 uploaded on the portal. JKEAC, as such observes that the project falls under violation category and requires to be uploaded on the portal and presented before the JKEIAA in this category.
  - ii. JKEAC desired that Project Proponent bring on record the methodology and the calculations that led the Consultant to fix the capacity of the CETP as 0.5MLD in terms of Environment guidelines /CPCB Rules.
  - iii. The consultant informed that only 21 industrials units (mainly Pharmaceuticals, Pesticides, Metal Based etc.) in the estate shall be connected to the CETP. Therefore, the Committee desired that the consultant should submit the actual list of member units that shall connect to the proposed CETP with details of chemical effluent generated by each of the units per day.
  - iv. JKEAC also desired Project Proponent and his Consultant to provide for/ include the financial outlay required for and place on record the quantity of sludge that shall be produced per day and the methodology for final disposal of the sludge as per Hazardous Waste Management Rules 2016. Comfort letter from the third party, if involved in the process, shall be perquisite for the appraisal process.
  - v. JKEAC also desired the Project Proponent to obtain and to include as part of documentation 'a performance guarantee' from the project implementation agency viz. M/S R.K Builders that treated effluent and the sludge characteristics shall strictly conform to/ with CPCB guidelines during entire designed life of the Integrated CTEP.

- vi. CER budget has not been provided by the PP.
- b) The Sub-Committee conducted the site visit of the area on 24/03/2022 and filed its report by email which came under threadbare discussions during the instant 94th meeting of JKEAC. The report of the Sub-Committee forms Appendix-I to these minutes.
- c) Considering the report of the Sub-committee, the JKEAC recommends that prior to considering grant of EC, JKEIAA should:
  - i. Obtain a binding undertaking from SIDCO, the Owner Department, that it would undertake and complete the work of laying of well-designed pipe network for transferring the effluent from the different industrial units to the upcoming CETPs at Bari Brahmana, Export Promotion Industrial Park (EPIP), Kartholi and Industrial Growth Centre, Samba within a time period of 24 months from the date of grant of EC.
  - ii. Caution the Owner Department and specify the penalty that shall be imposed on the owner (SIDCO) in case of failure to comply with specified timeline for laying the dedicated pipe network for transporting the effluent.
  - iii. Direct the Owner Department, pending construction of a dedicated pipe network, to construct and install a bypass system that would allow the flow in the trunk drain, as and when excess of intake capacity of CETPs on account of whatsoever reason, to flow to existing disposal point without inundating the surrounding areas.
- d) In the instant 94<sup>th</sup> JKEAC meeting, the compliances made in pursuance to observations made in the 85th meeting and averments made by project proponent were discussed and are recorded here as under: -
  - i. In compliances to item no. i para (a), the PP has clarified that there are 15 industries which are presently operational and diverting their effluent to nearby surface water stream through their individual drains/ or tankers. PP informed that the agriculture fields were getting impacted due to such effluent and the Hon'ble NGT had also directed to install CETP in the shortest possible time or to pay fine as the river was getting polluted due to discharge from industries located in industrial estate. PP informed that it was, decided to set up 0.5 MLD CETP at Phase-2, IGC, Samba so that no more polluted effluent should go into nearby surface water stream. He further informed that the work for designing, construction, erection and commissioning of 0.5 MLD capacity of CETP was allotted to M/s R. K. Builders, Private Limited on the land measuring 0.33acre. PP further asserted that construction of CETP is in itself not causing any environmental damage. On the other hand, the construction of CETP is a bonafide provision for scientific solution to control environmental damage being caused due to discharge of untreated effluent by various industrial units. PP assured that operation of CETP will be started only after the grant of Environmental Clearance to the project. The Consultant presented the directive part of the order issued by Hon'ble NGT. The Committee opined that since, the PP has undertaken the activity under orders of the NGT and the activity itself is for safeguarding environmental concerns, therefore, the JKEIAA may like to condone the act of the PP to have gone for constructions of the CETP without obtaining prior Environmental Clearance.
  - ii. With respect to compliances to item no ii para (a), the PP has submitted and highlighted that CETP capacity was estimated by their consultant namely BMRV Engineering Consultants based on actual effluent being diverted into surface water drains at various locations in Bari Brahmana and Samba. In this case of 0.5 MLD CETP, phase -2 Samba actual flow was estimated to be 0.384 MLD. Considering

25% higher effluent load, capacity of CETP was assumed to be 0.5 MLD for phase -2 Samba. The Committee desired the PP to check the effluent load of the member units with the data available with J&K Pollution Control Committee. The Co-opted Member from JK Pollution Control Board, Mr. JN Sharma assured full cooperation and guidance to the consultant in this regard.

- iii. Now in compliance to item no iii para (a), although, PP had mentioned in earlier documentation that there are 21 industrial units to be connected to the CETP. However, in the compliance, it is informed that 15-member industries shall be connected to the 0.5 MLD CETP. However, the list of member industries shows total of 50 industrial units. The Consultant informed that the 35 out of the list pertain to the other project. The effluent from member industries is being discharged to nearby surface water stream and same was measured by our CETP consultant namely BMRV Engineering Consultants and found to be 0.384 MLD as BMRV mentioned in above reply of point no.2. However, the committee observed that the effluent load of the individual Member industries has not been provided.
- iv. In compliance to item no iv para (a), The PP has informed that 64 kanals of land has already been allotted without premium to Rama sethu Infrastructure Pvt. Ltd. by J&K SIDCO for setting up of Integrated Common Hazardous Waste Management and Recycling Facility at IGC, Samba for Approx. 400 kg/day of CETP sludge will be generated from 0.5 MLD capacity of CETP which will be stored in the allocated area within the project and then will be sent to Rama sethu Infrastructure Pvt. Ltd. for further disposal as per Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.
- v. With respect to compliance to item no v para (a), the PP has submitted that the Performance guarantee in the form of undertaking from implementation agency i.e. M/s R.K Builders Private Limited stating that treated effluent and sludge characteristics will strictly conform to CPCB guidelines during maintenance period of 1 year as per allotted work order. Further, on being asked regarding the performance beyond the defect liability period of one year, the PP assured that the performance / CPCB parameters shall be fulfilled during the entire life cycle of the CETP. Therefore, JKEAC stipulated that the performance guarantee as obtained from the implementation agency must include an undertaking that treated effluent shall conform to CPCB parameters/guidelines throughout the life of the CETP. While reacting to submitted undertaking by SIDCO regarding laying of well-designed closed pipe network for transferring the effluent from the different industrial units to the upcoming CETP, the JKEAC observed that the draft of the undertaking is not in tune with the letter and spirit of the recommendation made by the Sub-Committee and detailed herein above. Mr. Bakshi, Xen SIDCO informed that since it may take time for the Administrative Dept. to process the funds for laying the suggested pipeline, he may not be able to give commitment for things which are beyond his capacity. In light of above, JKEAC recommends that EC as shall be granted be designated as interim and valid for 24 months only, the same period as has been recommended by JKEAC for installation and completion of a dedicated pipe network for transferring the effluent from respective member units to the CETP.
- vi. With respect to item vi of para (a), the PP has submitted that the CER cost suggested by the JKEAC has been agreed and provided in the compliance report.



### **RECOMMENDATIONS OF THE JKEAC:**

In view of the above deliberations and insight gained during the above cited appraisal process, the Committee recommended the case for grant of EC subject to:

- a) Standard & Specific conditions as per Annexure-E to the minutes of JKEAC meeting.
- b) Compliance to all recommendations made by the Sub-Committee in pursuance to its site visit.
- c) Condition that SIDCO would undertake and complete the work of laying of well-designed closed pipe network for transferring the effluent from the different member industrial units to the upcoming CETP at Industrial Growth Centre, within a time period of 24 months from the date of grant of EC failing which the EC so granted shall lose its validity.
- d) Condition that JKEIAA cautions SIDCO and the Industries Department and specifies penalty in case of failure to comply with specified timeline for laying the dedicated pipe network for transporting the effluent.
- e) Condition that SIDCO reconciles the data relating to total quantity of waste water generated by the Member units with the data available with J&K Pollution Control Board prior to grant of CTO.
- f) Condition, the attested list of member units depicting the actual number of units likely to contribute waste waters to the proposed CETP with seal and signature is submitted to JKEIAA by the Project Proponent, prior to grant of EC.
- g) Condition, that no surface runoff is allowed to mix-up with the waste water originating through closed pipeline, and that the surface runoff is managed and harvested for greening the Industrial Estate.
- h) Condition, the J&K pollution Control Committee will certify that the design and capacity of the proposed CETP is sufficient to treat the waste water from the Member units for the life time cycle of CETP, prior to grant of EC.
- i) The instant EC shall only be interim and valid for 24 months. The extension beyond 24 months shall be granted by JKEIAA only after the PP certifies that the dedicated pipeline network for transferring effluents from respective member units to the CETP stands installed on ground.

### **Deliberations and Decision of JKEIAA:**

The JKEIAA deliberated the issue threadbare in light of Hon'ble NGT Order dated:22.11.2018 and recommendations of JKEAC. The Hon'ble NGT has given following directions as reproduced below:

*"The SIDCO must set up TSDF and CETP within six months, failing which SIDCO will be liable to pay an amount of Rs. 5 Crores every three months by way of deposit with the Central Pollution Control Board for being spent on restoration of environment. For the past failure in more than one decade, SIDCO is held liable to pay compensation of Rs. 5 Crores which may be deposited within one month from today with the Central Pollution Control Board for restoration of the environment."*

As informed by PP, allotment order for construction of CETP has been awarded on 05-10-2019 & since then 80% work has been done in compliance with directions from NGT to immediately start work or face additional penalty. Thus, work has been started without EC to comply with directions of Hon'ble NGT and to avoid additional penalty. Since, Hon'ble NGT had already imposed a penalty of Rs. 5 Cr on SIDCO and work has been started to comply

with directions of Hon'ble NGT, JKEAC has considered these aspects and recommended to condone the act of starting work without EC. The action of PP in starting work on CEPT complies to directions of Hon'ble NGT as also would advance completion of CETP to make it functional for treatment of effluents discharged by industrial units.

In light of above facts, the Authority agrees with the recommendations of JKEAC for issuance of Environmental Clearance in favor of the project. The Authority also agrees with the recommendations of the committee to condone the act of having started the work prior to grant of EC.

The EC is being granted subject to:

- a) Standard & Specific conditions as per Annexure-E to the minutes of JKEAC meeting.
- b) Compliance to all recommendations made by the Sub-Committee in pursuance to its site visit.
- c) Condition that SIDCO would undertake and complete the work of laying of well-designed closed pipe network for transferring the effluent from the different member industrial units to the upcoming CETP at Industrial Growth Centre, within a time period of 24 months from the date of grant of EC.
- d) Condition that PP shall construct and install a bypass system that would allow the flow in the trunk drain, as and when in excess of intake capacity of CETPs on account of whatsoever reason, to flow to existing disposal point without inundating the surrounding areas.'
- e) Condition that SIDCO reconciles the data relating to total quantity of wastewater generated by the Member units with the data available with J&K Pollution Control Committee prior to grant of CTO.
- f) The PP shall ensure that treated effluent shall conform to the CPCB parameters/guidelines throughout the life of the CETP.
- g) Condition, that attested list of member units (15 Nos) depicting the actual number of units likely to contribute wastewaters to the proposed CETP with seal and signature is submitted to JKEIAA by the Project Proponent, prior to grant of EC.
- h) Condition, that no surface runoff is allowed to mix-up with the waste water originating through closed pipeline, and that the surface runoff is managed and harvested for greening the Industrial Estate.
- i) Condition, the J&K Pollution Control Committee shall certify that the design and capacity of the proposed CETP is sufficient to cater for treatment of wastewater from the Member units for the life time cycle of CETP, prior to grant of EC.
- j) The instant EC is granted for a period of 24 months. The PP shall approach the authority for extension beyond 24 months after the PP (SIDCO) certifies that the dedicated pipeline network for transferring effluents from respective member units to the CETP stands installed on ground.

**Agenda Item No.6:**

**(Sub-Agenda 6.1)**

**To discuss the representation made by M/S Palm Raviera for reconsideration of the earlier recommendation regarding quantum of budget under EMP, CER and CSR.**

**Deliberations of the JKEAC:**

The Committee examined the representation of the project proponent forwarded by the JKEIAA and did not find any merit in it as the quantum of budget under EMP (remediation Plan, natural and community resource augmentation plan) / CER and CSR is not related to the project cost but to the ecological damage assessed and economic benefit derived due to violation of the EP Act as translated in the EIA Notification of 2006. Moreso, the project proponent and the consultant agreed to the budget under EMP, CER and CSR during the appraisal process. Further, request relating to change of name of the promoter of the Company in the records may be dealt with as per procedures and laws governing the same.

**RECOMMENDATIONS OF THE JKEAC:**

The Committee, in view of the above deliberations, rejected the representation filed by M/S B.R. Mahajan & Sons, Jammu.

**Decisions of JKEIAA:**

After due deliberations, the JKEIAA upheld the recommendations of the JKEAC to reject the representation filed by M/S B.R. Mahajan & Sons, Jammu regarding reconsideration of quantum of budget under EMP, in view of the fact that the consultant and the PP had agreed to the budget under EMP during the process of appraisal.

**(Sub-Agenda 6.2)**

**To discuss the Minor Mineral Resource Estimation and replenishment study report on Ferozpur Nallah received from G&M Dept.**

**Deliberations of the JKEAC:**

The Geological report titled, 'Minor Mineral Estimation, Hydrology, Hydrogeology, and replenishment studies of Nallah Ferozpur, District Baramulla, UT of J&K formulated by G&M Dept. and received by JKEIAA had been forwarded to the JKEAC for comments. The Committee examined the report and opined that the study requires scientific field evaluation of replenishment in Ferozpur Nallah and should be based on actual measurements of aggradations of River Bed Material before and after the rainy season. The report, as such, needs to be revised accordingly and also in accordance with the methodology provided in Enforcement & Monitoring Guidelines for Sand Mining, 2020 report published by the MoEF&CC, GoI. The JKEIAA may provide a copy of Replenishment Report of some other state for guidance of the G&M Dept.

**Recommendations of the JKEAC:**

In view of the above deliberations, the Committee recommended that the G&M Dept. be advised to revise the report in accordance with observations made under deliberations herein above.

**Decisions of JKEIAA:**

After due deliberations, the JKEIAA upheld the recommendations of the JKEAC and the G&M Dept. is advised to revise the report in accordance with the Enforcement & Monitoring Guidelines for Sand Mining, 2020 and amendments thereto.

The meeting ended with the vote of thanks to the Chair,

Sd/-  
S. Rakesh Kumar, IFS, Director,  
Member Secretary, JKEIAA, EE&RS

Sd/-  
Nazir Ahmad (Rtd. Chief Engineer)  
Member, JKEIAA

Sd/-  
Lal Chand, IFS (Rtd.)  
Chairman, JKEIAA

No: JKEIAA/2016/02/VIII/7288-95

Dated: 25-06-2022

Copy by email to:

1. Mr. Lal Chand, IFS (Rtd.), Hon'ble Chairman, JKEIAA, for information.
2. Er. Nazir Ahmad (Rtd. Chief Engineer), Hon'ble Member, JKEIAA, for information.
3. Commissioner/Secretary to Government, Forest, Ecology & Environment Department, J&K Government, Civil Secretariat, Jammu for favour of kind information.
4. S. Rakesh Kumar, IFS, Director, EE&RS, Member Secretary, JKEIAA, for information
5. Director, Geology & Mining Department, J&K Government, Jammu for information and necessary action.
6. Deputy Commissioner, Samba for information.
7. The Secretary, JK Expert Appraisal Committee for information.
8. Website(s)

  
(Staff Officer)<sub>25/6/22</sub>  
Director EERS/Member Secretary JKEIAA